

1	1	ACA	GTC	AGC	CGC	ATG	GCT	CCC	CTG	TGC	CCC	P	S	P	W	L	P	L	12
	1																		48
13		L	I	P	A	P	A	P	G	L	T	V	Q	L	L	L	S		28
49		TTG	ATC	CCG	GCC	CCT	GCT	CCA	GGC	CTC	ACT	GTG	CAA	CTG	CTG	CTG	TCA		96
29		L	L	L	L	M	P	V	H	P	Q	R	L	P	P	R	M	Q	44
97		CTG	CTG	CTT	CTG	ATG	CCT	GTC	CAT	CCC	CAG	AGG	TTG	CCC	CGG	ATG	CAG		144
45		E	D	S	P	L	G	G	G	S	S	G	E	D	D	P	L		60
145		GAG	GAT	TCC	CCC	TTG	GGA	GGA	GGC	TCT	TCT	GGG	GAA	GAT	GAC	CCA	CTG		192
61		G	E	E	D	L	P	S	E	E	D	S	P	R	E	E	D		76
193		GGC	GAG	GAG	GAT	CTG	CCC	AGT	GAA	GAG	GAT	TCA	CCC	AGA	GAG	GAG	GAT		240
77		P	P	G	E	E	D	L	P	G	E	E	D	L	P	G	E		92
241		CCA	CCC	GGA	GAG	GAG	GAT	CTA	CCT	GGA	GAG	GAG	GAT	CTA	CCT	GGA	GAG		288
93		E	D	L	P	E	V	K	P	K	S	E	E	E	G	S	L		108
289		GAG	GAT	CTA	CCT	GAA	GTT	AAG	CCT	AAA	TCA	GAA	GAA	GAG	GGC	TCC	CTG		336
109		K	L	E	D	L	P	T	V	E	A	P	G	D	P	Q	E		124
337		AAG	TTA	GAG	GAT	CTA	CCT	ACT	GTT	GAG	GCT	CCT	GGA	GAT	CCT	CAA	GAA		384
125		P	Q	N	N	A	H	R	D	K	E	G	D	D	Q	S	H		140
385		CCC	CAG	AAT	AAT	GCC	CAC	AGG	GAC	AAA	GAA	GGG	GAT	GAC	CAG	AGT	CAT		432
141		W	R	Y	G	G	D	P	P	W	P	R	V	S	P	A	C		156
433		TGG	CGC	TAT	GGA	GGC	GAC	CCG	CCC	TGG	CCC	CGG	GTG	TCC	CCA	GCC	TGC		480
157		A	G	R	F	Q	S	P	V	D	I	R	P	Q	L	A	A		172
481		GCG	GGC	CGC	TTC	CAG	TCC	CCG	GTG	GAT	ATC	CGC	CCC	CAG	CTC	GCC	GCC		528

FIG. 1A

173	F	C	P	A	L	R	P	L	E	L	L	G	F	Q	L	P	188
529	TTC	TGC	CCG	GCC	CTG	CGC	CCC	CTG	GAA	CTC	CTG	GGC	TTC	CAG	CTC	CCG	576
189	P	L	P	E	L	R	L	R	N	N	G	H	S	V	Q	L	204
577	CCG	CTC	CCA	GAA	CTG	CGC	CTG	CGC	AAC	AAT	GGC	CAC	AGT	GTG	CAA	CTG	624
205	T	L	P	P	G	L	E	M	A	L	G	P	G	R	E	Y	220
625	ACC	CTG	CCT	CCT	GGG	CTA	GAG	ATG	GCT	CTG	GGT	CCC	GGG	CGG	GAG	TAC	672
221	R	A	L	Q	L	H	L	H	W	G	A	A	G	R	P	G	236
673	CGG	GCT	CTG	CAG	CTG	CAT	CTG	CAC	TGG	GGG	GCT	GCA	GGT	CGT	CCG	GGC	720
237	S	E	H	T	V	E	G	H	R	F	P	A	E	I	H	V	252
721	TCG	GAG	CAC	ACT	GTG	GAA	GGC	CAC	CGT	TTC	CCT	GCC	GAG	ATC	CAC	GTG	768
253	V	H	L	S	T	A	F	A	R	V	D	E	A	L	G	R	268
769	GTT	CAC	CTC	AGC	ACC	GCC	TTT	GCC	AGA	GTT	GAC	GAG	GCC	TTG	GGG	CGC	816
269	P	G	G	L	A	V	L	A	A	F	L	E	E	G	P	E	284
817	CCG	GGA	GGC	CTG	GCC	GTG	TTG	GCC	GCC	TTT	CTG	GAG	GAG	GGC	CCG	GAA	864
285	E	N	S	A	Y	E	Q	L	L	S	R	L	E	E	I	A	300
865	GAA	AAC	AGT	GCC	TAT	GAG	CAG	TTG	CTG	TCT	CGC	TTG	GAA	GAA	ATC	GCT	912
301	E	E	G	S	E	T	Q	V	P	G	L	D	I	S	A	L	316
913	GAG	GAA	GGC	TCA	GAG	ACT	CAG	GTC	CCA	GGA	CTG	GAC	ATA	TCT	GCA	CTC	960
317	L	P	S	D	F	S	R	Y	F	Q	Y	E	G	S	L	T	332
961	CTG	CCC	TCT	GAC	TTC	AGC	CGC	TAC	TTC	CAA	TAT	GAG	GGG	TCT	CTG	ACT	1008
333	T	P	P	C	A	Q	G	V	I	W	T	V	F	N	Q	T	348
1009	ACA	CCG	CCC	TGT	GCC	CAG	GGT	GTC	ATC	TGG	ACT	GTG	TTT	AAC	CAG	ACA	1056

349	V	M	L	S	A	K	Q	L	H	T	L	S	D	T	L	W	364
1057	GTG	ATG	CTG	AGT	GCT	AAG	CAG	CTC	CAC	ACC	CTC	TCT	GAC	ACC	CTG	TGG	1104
365	G	P	G	D	S	R	L	Q	L	N	F	R	A	T	Q	P	380
1105	GGA	CCT	GGT	GAC	TCT	CGG	CTA	CAG	CTG	AAC	TTC	CGA	GCG	ACG	CAG	CCT	1152
381	L	N	G	R	V	I	E	A	S	F	P	A	G	V	D	S	396
1153	TTG	AAT	GGG	CGA	GTG	ATT	GAG	GCC	TCC	TTC	CCT	GCT	GGA	GTG	GAC	AGC	1200
397	S	P	R	A	A	E	P	V	Q	L	N	S	C	L	A	A	412
1201	AGT	CCT	CGG	GCT	GCT	GAG	CCA	GTC	CAG	CTG	AAT	TCC	TGC	CTG	GCT	GCT	1248
413	G	D	I	L	A	L	V	F	G	L	L	F	A	V	T	S	428
1249	GGT	GAC	ATC	CTA	GCC	CTG	GTT	TTT	GGC	CTC	CTT	TTT	GCT	GTC	ACC	AGC	1296
429	V	A	F	L	V	Q	M	R	R	Q	H	R	R	G	T	K	444
1297	GTC	GCG	TTC	CTT	GTG	CAG	ATG	AGA	AGG	CAG	CAC	AGA	AGG	GGA	ACC	AAA	1344
445	G	G	V	S	Y	R	P	A	E	V	A	E	T	G	A	*	460
1345	GGG	GGT	GTG	AGC	TAC	CGC	CCA	GCA	GAG	GTA	GCC	GAG	ACT	GGA	GCC	TAG	1392
1393	AGG	CTG	GAT	CTT	GGA	GAA	TGT	GAG	AAG	CCA	GCC	AGA	GGC	ATC	TGA	GGG	1440
1441	GGA	GCC	GGT	AAC	TGT	CCT	GTC	CTG	CTC	ATT	ATG	CCA	CTT	CCT	TTT	AAC	1488
1489	TGC	CAA	GAA	ATT	TTT	TAA	AAT	AAA	TAT	TTA	TAA	T					1522

FIG. 1A

FIG. 1B

FIG. 1C

FIG. 1

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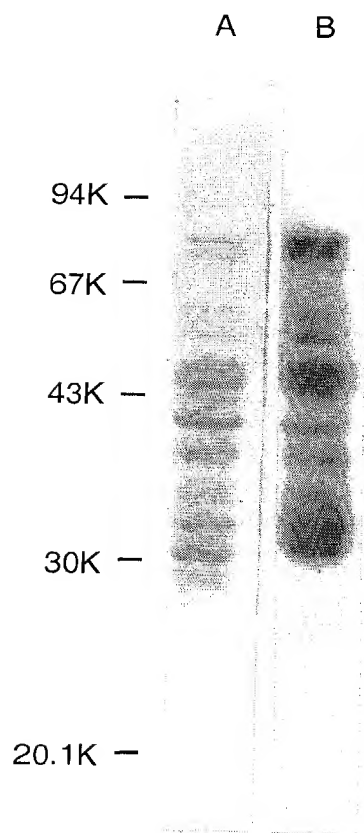


FIG._2

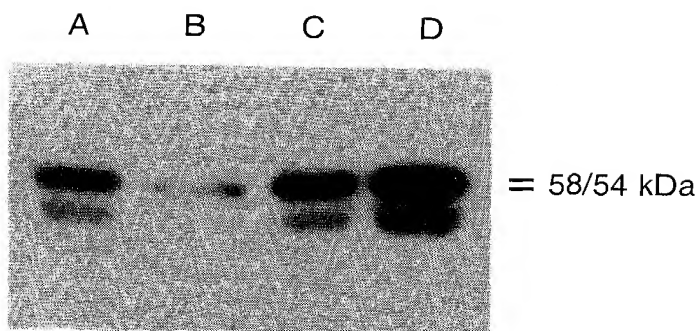


FIG._3

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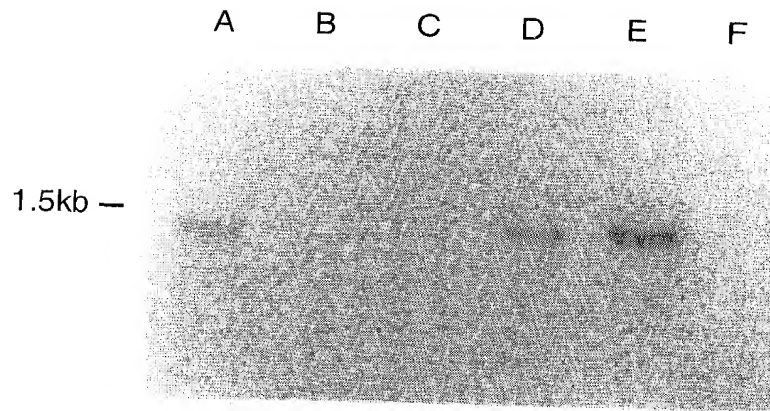


FIG._4

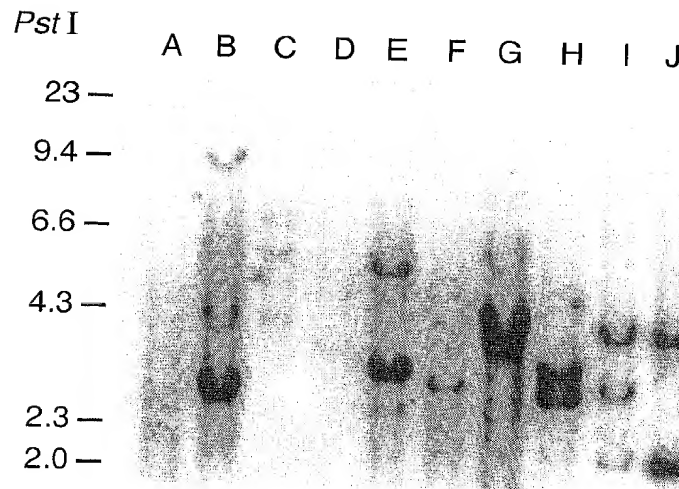


FIG._5

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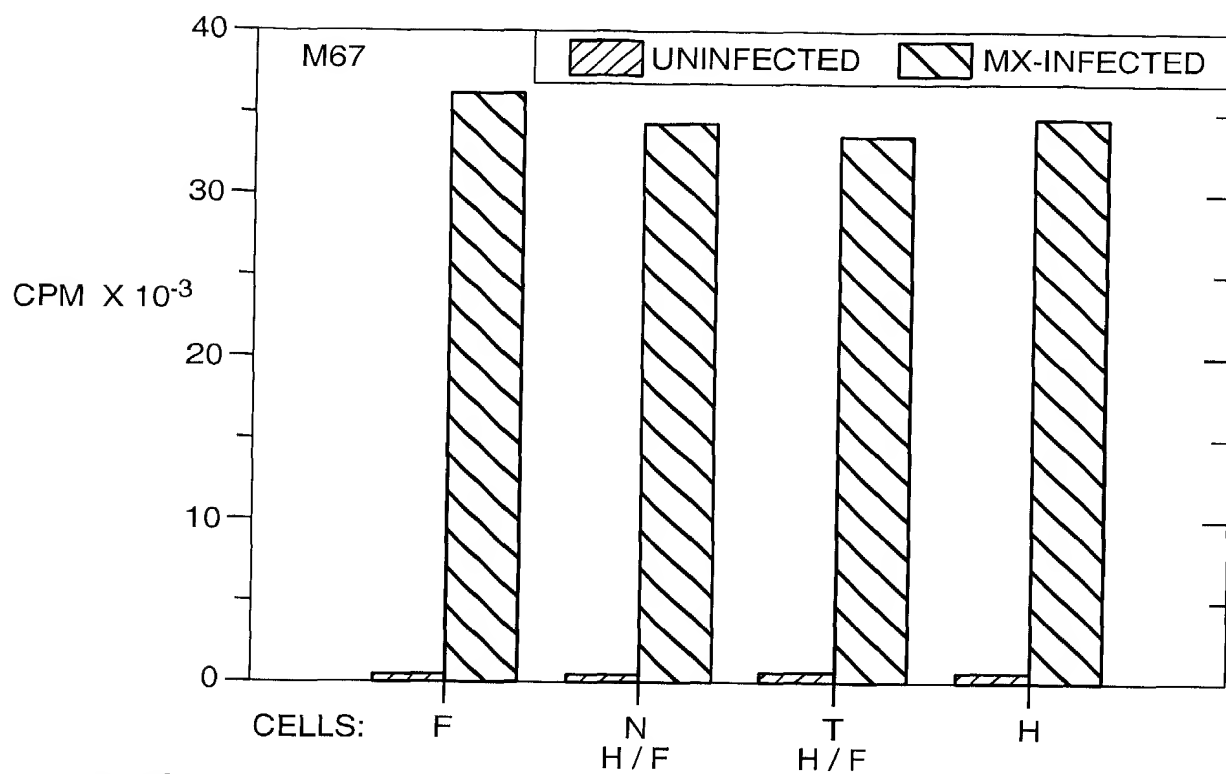


FIG._6A

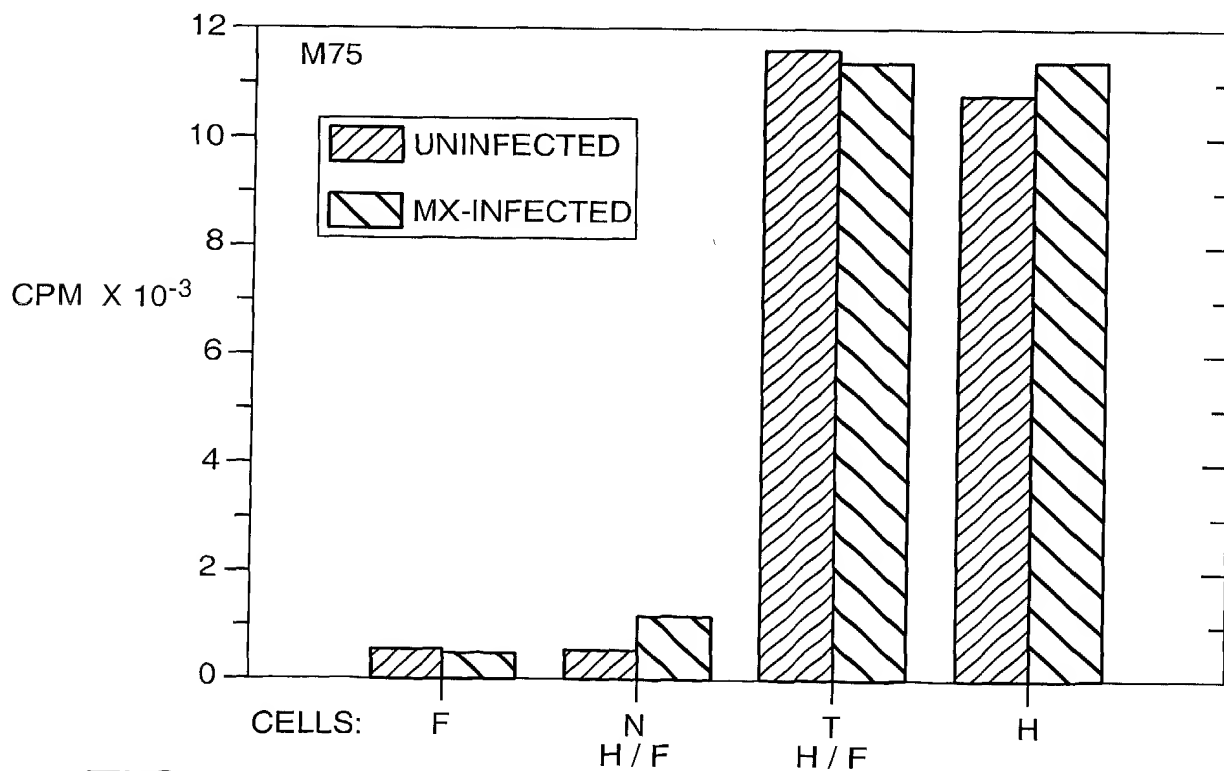


FIG._6B

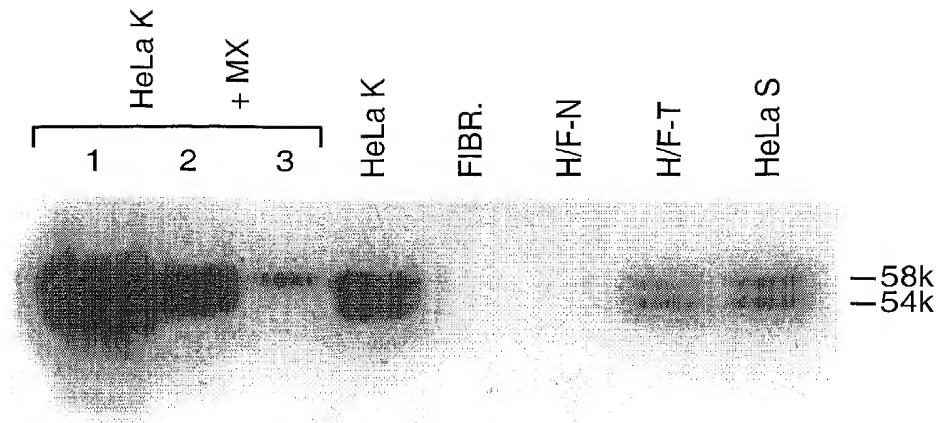


FIG._7

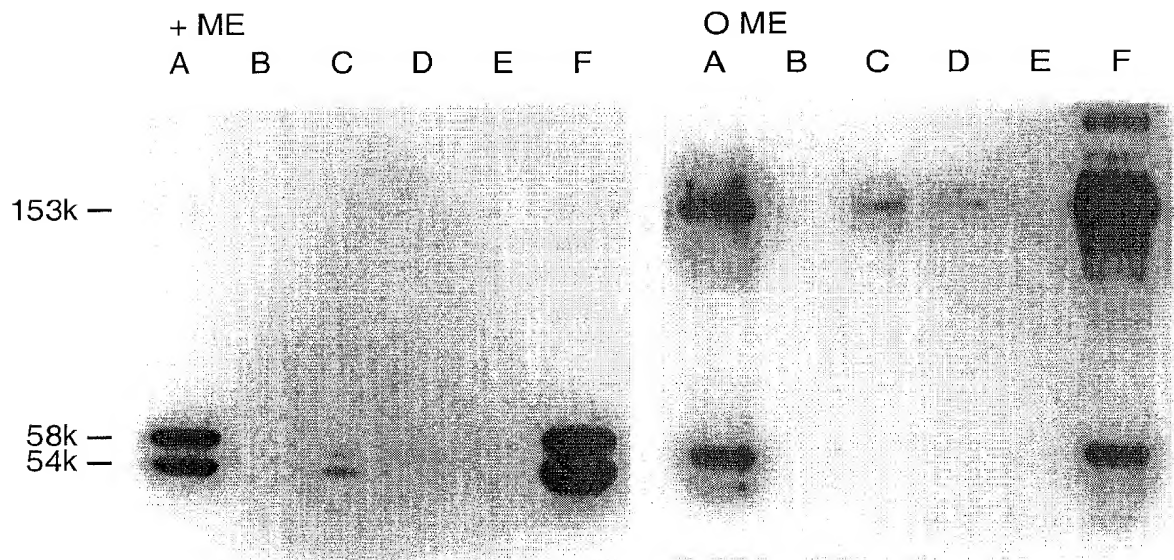


FIG._8

A B C D E F G H I J K L M N O P

58k —
54k —

FIG._9

+ ME OME
A B A B

153k —

58k —
54k —

FIG._10

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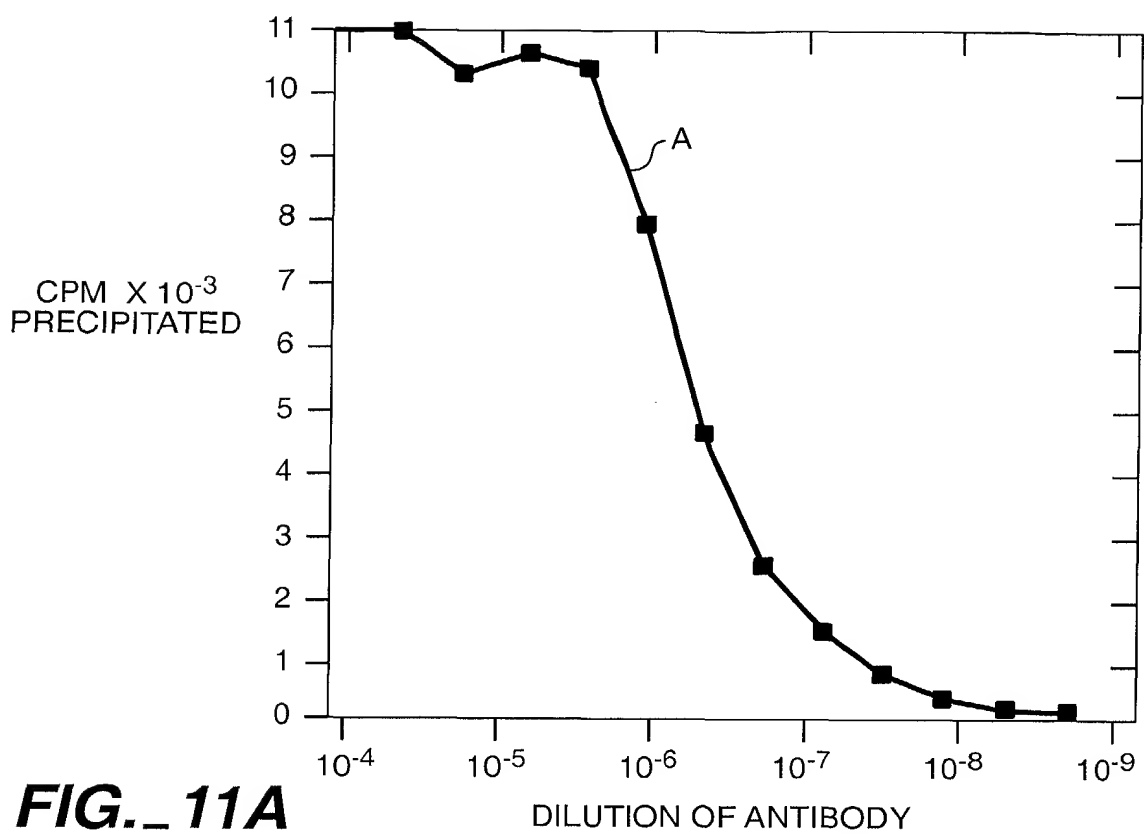


FIG. 11A

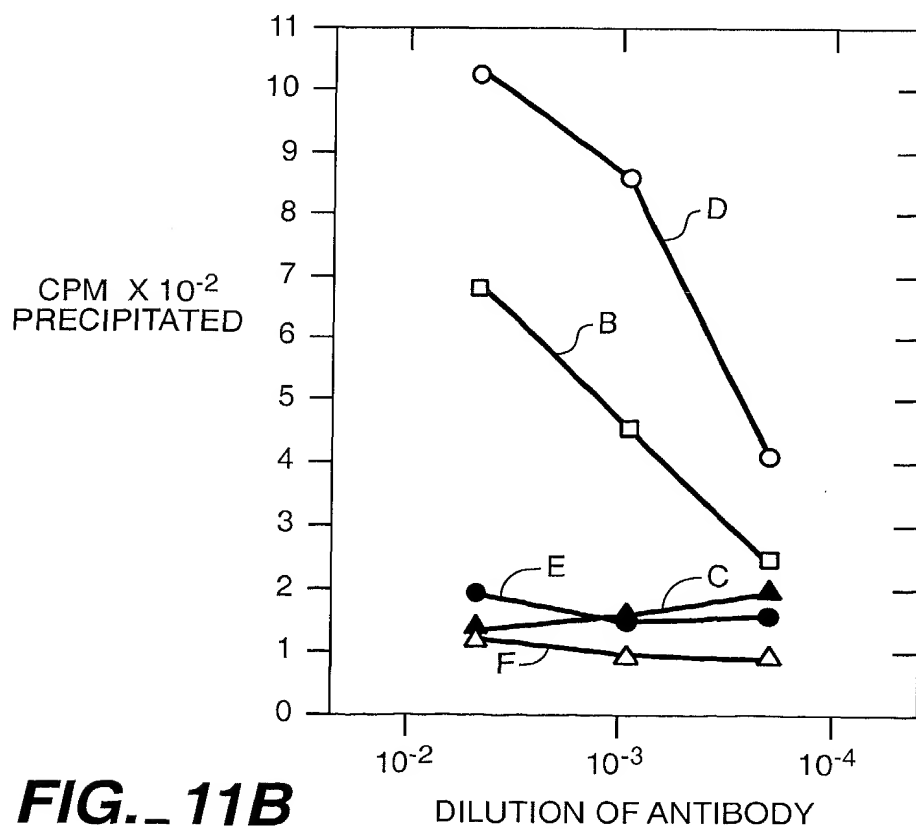


FIG. 11B

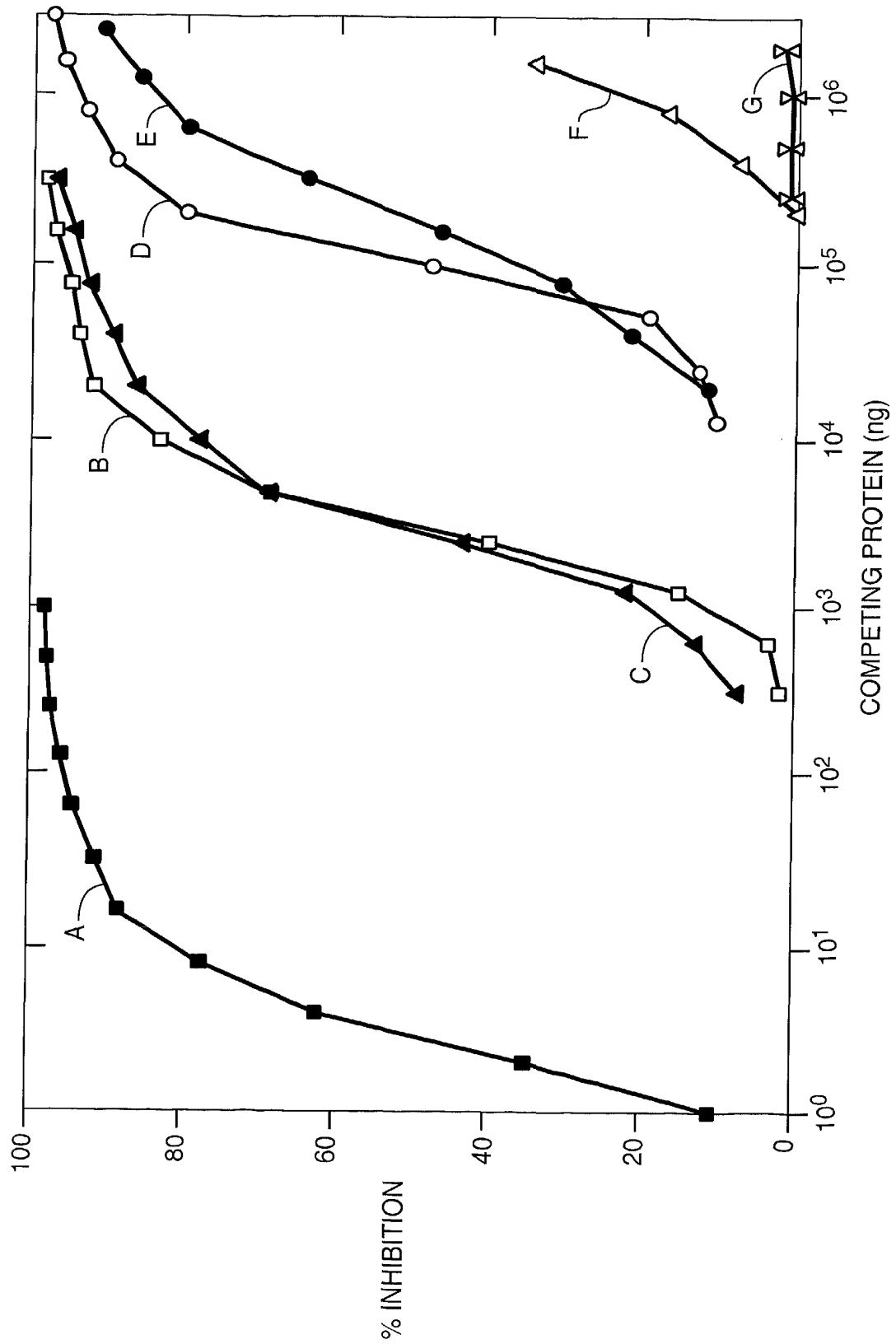


FIG. 12

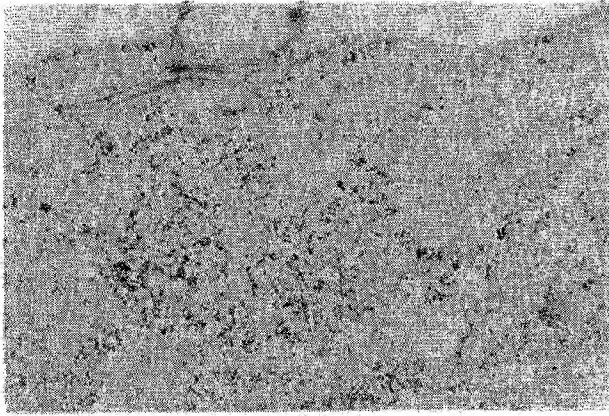


FIG._13A

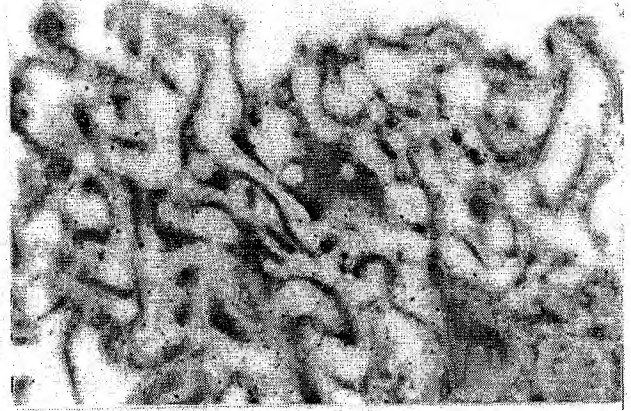


FIG._13B

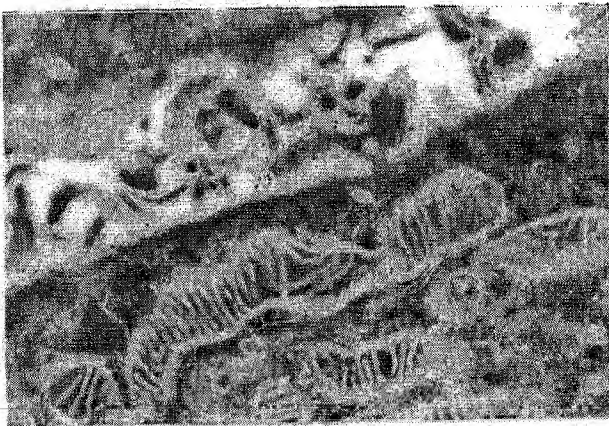


FIG._13C

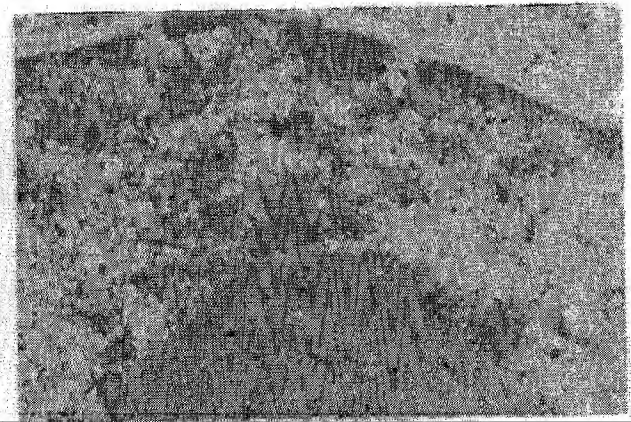


FIG._13D



FIG._13E

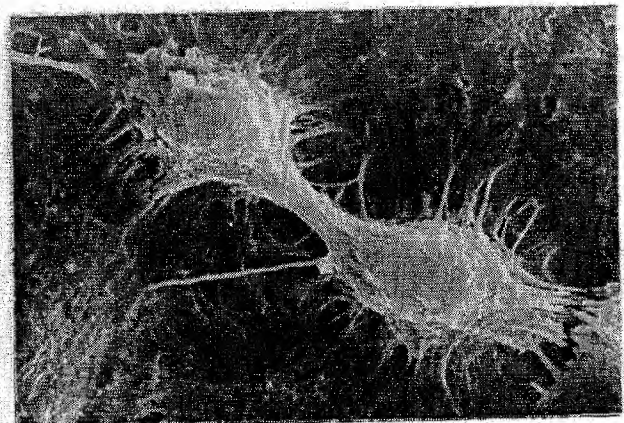
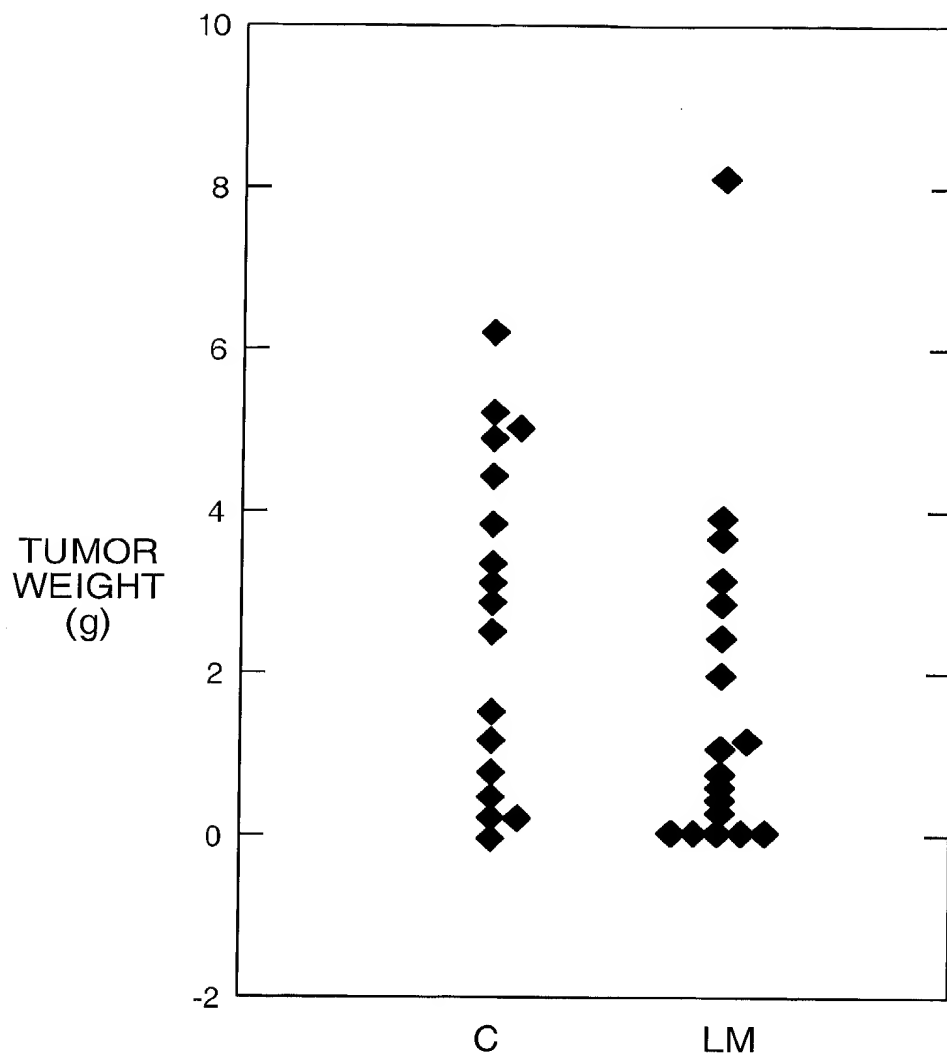


FIG._13F

**FIG._14**

1 ggatcctgtt gactcgtgac ctaccccc taagggcgg gaaagtgtg ctctgaaaca ttagctgtgt
61 ccactcagg ttaaatggat taagggcgg gaaagtgtg ctctgaaaca ttagctgtgt
121 aaggcagcat gctcgttaag agtcatcacc aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
181 aacactgcg aaggccgcag ggtcctctgc ctaggaaaaa aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
241 ttatctgac ctccctcca ctattgtcca tgacctgccc ttaaaaaaa aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
301 caccacaaga ttatcaataa aaaaaaaat tagttattga taaatgaata atcacagctc aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
361 aaaaaaaa gacttacgaa tagttattga taaatgaata atcacagctc aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
421 aatgatcata ttcaaaaacca gacggccatc atcacagctc aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
481 ctttatcatt gtcattcttt gatttcacta gatttagctc aatccctaata gaaagtgtg ctctgaaaca ttagctgtgt
541 aagttctaata tacgttccaa acatttaggg gttacatgaa gttacatgaa gttacatgaa gttacatgaa gttacatgaa
601 ttgcttttga gccatgagtt gtaggaatga gcttttggtt gcttttggtt gcttttggtt gcttttggtt gcttttggtt
661 tttaaaactt acctctaagt acgttggtga aatcttgcta tgatagtttt gcttttggtt gcttttggtt gcttttggtt gcttttggtt
721 tagttaatgg atgcactgtg ttacagtaatt gctttaccta gaaagtgtg gaaagtgtg gaaagtgtg gaaagtgtg gaaagtgtg
781 gggtaggtag gtactcagtt ttacagtaatt gctttaccta gaaagtgtg gaaagtgtg gaaagtgtg gaaagtgtg gaaagtgtg
841 ttgtaggtgc ctttatctgt aatatgggca tatttaatac aatataaatt gaaagtgtg gaaagtgtg gaaagtgtg gaaagtgtg
901 ttgtgttgtt tggttggtt gtttttggtt gtttttggtt gtttttggtt gtttttggtt gtttttggtt gtttttggtt gtttttggtt
961 ggagtagcag tggtgcccac agcctcccga gtagctggga ctagggcgc ctagggcgc ctagggcgc ctagggcgc ctagggcgc
1021 ttcctgctc ttttttggtt ttttggtaga gtagctggga ctagggcgc ctagggcgc ctagggcgc ctagggcgc ctagggcgc
1081 ttttttggtt ttttggtaga gtagctggga ctagggcgc ctagggcgc ctagggcgc ctagggcgc ctagggcgc ctagggcgc
1141 ctgacttcgt gatccaccgg ccaatttttt gactctttta aagtaaaaaa ctgacgggtc cattacattt aaaaagggtt gaaagaaatg
1201 ccgcacctgg taccacttgg atcacaagtg gaaagaaatg tctgacacta agaaactccc ttgacagcct ttttttggtt ttttttggtt
1261 tatggtacat ttccttttat gctacttttt gactctttta aagtaaaaaa ctgacgggtc cattacattt aaaaagggtt gaaagaaatg
1321 gcatgcatat gctacttttt gactcttttt gactcttttt gactcttttt gactcttttt gactcttttt gactcttttt gactcttttt
1381 catgttatat ctttttagctt taccacttgg atcacaagtg gaaagaaatg tctgacacta agaaactccc ttgacagcct ttttttggtt ttttttggtt
1441 tcatgtgtgg taccacttgg atcacaagtg gaaagaaatg tctgacacta agaaactccc ttgacagcct ttttttggtt ttttttggtt
1501 cttgttttga agagggatga tttaggtgaa gctgtatata gctgtataa gctgtataa gctgtataa gctgtataa gctgtataa
1561 tctgagattc ttaagcaaga tatgctttta tatagacagg gaaacttggtt ccaagcctttc tacaagaaat agctgctatg tttcttgaca
1621 actatttttc tcaagcaaga tatgctttta tatagacagg gaaacttggtt ccaagcctttc tacaagaaat agctgctatg tttcttgaca
1681 catatctgca tcaagcaaga tatgctttta tatagacagg gaaacttggtt ccaagcctttc tacaagaaat agctgctatg tttcttgaca
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1801 tgggaattgt tattggatat ctcaattctg taggaataaa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gtttt
1861 ggttcataat ctcaattctg taggaataaa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gtttt
1921 ttcacttgg taggaataaa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gtttt

1981 ttgcaatttc cttcttactg tgtaaaaaa aagtatgac ttgctctgag agtgaggca
2041 ttcttaatac tgatctttaa agatcaataa tataatcctt tcaaggatta tgtctttatt
2101 ataataaaga taatttgtct ttaacagaat caataataa atcccttaaa ggattatatac
2161 ttgctgggc gcagtggctc acacctgtaa tcccagcact ttgggtggcc aagtggaag
2221 gatcaaatat gctacttct atattatctt cttaagcaga attcatctct ctccctcaa
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2341 gtagcggtt ttgtttttg tttttgttt tctttttga gacagggtct tgctctgtca
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2461 accatcatc ccatttcagc ctctgagta gctgggacta caggcacatg ccattacac
2521 tggctaattt tttgtattt ctagttaga cagggtttgg ccatgttgc cgggctggtc
2581 tcgaactcct ggactcaagc aatccacca cctcagcctc ccaaatgag ggaccgtgtc
2641 ttattcatat ccattgtcct agtccatagc ccagtgtgg acctatggt gtaactaaata
2701 aatatgtt gaatgcaata gtaaatagca ttccaggag caagaactag attaacaag
2761 gtggtaaaag gtttgagaa aaaaataata gtttaattg gctagagtat gagggagagt
2821 agtaggagac aagatggaaa ggtctcttg gcaagggttt gaaggaagt ggaagtcaga
2881 agtacacaat gtgcataatc tggcaggcag tgggagcca atgaaggctt ttgagcagga
2941 gagtaaatgt ttgaaaaata aatataggtt aaacctata gagccccct caccacatac
3001 ctgtgtttt attcaagctc aagtttgtct cccacatacc cattacttaa ctacccctg
3061 ggctcccta gcagcctgcc ctacctttt acctgcttc ttggtgagtc aggatgtat
3121 acatgagctg ctttccctc cagccagagg acatggggg cccagctcc cctgctttc
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3241 ctgggtgtg ccaggagag cctgcatagt gccagggtgt gccttgggt ccaagctagt
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3481 cagctctctg ttccaatgca cgtacagccc gtacacaccg tgtgctggga cccccacag
3541 TCAGCCGCAT GGCTCCCCTG TGCCCCAGCC CCTGGCTCCC TCTGTTGATC CCGCCCCCTG
3601 CTCAGGCCT CACTGTGCAA CTGCTGCTGT CACTGCTGCT TCTGGTGCT GTCCATCCCC
3661 AGAGGTTGCC CCGGATGCAG GAGGATCCC CTTGGGAGG AGGCTCTCT GGGGAAGATG
3721 ACCCACTGGG CGAGGAGGAT CTGCCAGTG AGAGGATTC ACCAGAGAG GAGGATCCAC
3781 CCGGAGAGGA GGATCTACCT GGAGAGGAGG ATCTACCTGG AGAGGAGGAT CTACCTGAAG
3841 TTAAGCCTAA ATCAGAAAGAA GAGGGCTCCC TGAAGTTAGA GGATCTACCT ACTGTTGAGG
3901 CTCTGGGAGA TCCTCAAGAA CCCCAGAATA ATGCCACAG GGACAAAGAA Gtaagtgt

3961 catcaatctc caaatccagg ttccaggagg ttcatgactc cctcccata cccagccta
 4021 ggctctgttc actcagggaa ggaggggaga ctgtactccc cacagaagcc cttccagagg
 4081 tccataacca atatcccat cccactctc ggaggtagaa agggacagat gtggagagaa
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 4201 tggagaagag aaagggatga gaactgcaga tgagagaaaa atgtgcaga cagagggaaa
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 4381 caatgaggaa ttgagaccta ggaagaagg acacagcagg tagagaaaag tggcttcttg
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 4621 caggctggag tgcaatggcg ctagccaagt agctgcgatt acaggcatgc gccaccacgc
 4681 tgattctcct gcctcagcct tagtagagac ggggtttcgc catgttggtc aggttggtct
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 4801 cgaactctg atctcaggtg ctgaagcagc cactcacttt accagctgc ggtgttgagt
 4861 cgtgagccac aggcctggc tgtttggccc accagctgc ggtgttgagt acccgtaag ctccgtgagg
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 4981 tctcctgtgc ttgacacctg gttttgggtc caggaaaggg attggggctc taagcttgag
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 5341 caccacagGC GACCCGCCCT GGCCCGGGT GTCCCCAGCC TGCGCGGGCC GCTTCCAGTC
 5401 CCCGGTGGAT ATCCGCCCCC AGCTCGCCCG CTTCGTGCCG GCCCTGCGCC CCTTGGAACT
 5461 CCTGGGCTTC CAGTCCCCGC CGTCCCCAGA ACTGCGCCTG CGCAACAATG GCCACAGTgg
 5521 tgaggggggtc tcccggcga gacttgggga tggggcgggg cgcagggaaag ggaaccgtcg
 5581 cgcagtgcct gcccggggtt tgggctggcc ctaccgggctc ggccgggctc acttgcctct
 5641 ccctacgcag TGCAACTGAC CCTGCCCTCCT TGGCTAGAGA TGGCTCTGGG TCCCGGGCGG
 5701 GAGTACCGG CTCTGCAGCT GCATCTGCAC TGGGGGGCTG CAGGTCTGCC GGGCTCGGAG
 5761 CACACTGTGG AAGGCCACCG TTTCCCTGCC GAGgtgagcg cggactggcc gagaaggggc
 5821 aaaggagcgg ggcggacggg ggcagagac gtggccctct cctaccctcg tgccttttc
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5941	CGGGAGGCCT	GGCCGTGTTG	GCCGCCTTTC	TGGAGgtacc	agatcctgga	cacccctac
6001	tccccgcttt	cccatcccat	gctcctccc	gactctatcg	tggagccaga	gaccccatcc
6061	cagcaagctc	actcaggccc	ctggctgaca	aactcattca	cgcactgttt	gttcatttaa
6121	caccactgt	gaaccaggca	ccagccccc	acaaggattc	tgaagctgta	ggtccttgcc
6181	tctaaggagc	ccacagccag	tgggggaggg	tgacatgaca	gacacatagg	aaggacatag
6241	taaaagatgt	ggtcacagag	gaggtgacac	ttaaagcctt	cactggtaga	aaagaaaaag
6301	aggtgttcac	tgcagaggaa	acagaatgtg	caaagactca	gaatatggcc	tatttaggga
6361	atggctacac	acaccatgat	tagaggaggg	ccagtaaagg	gaagggatgg	tgagatgcct
6421	gctaggttca	ctcactcact	tttatattt	tatttatatt	tttgacagtc	tctctgtcgc
6481	ccaggctgga	gtgcagtgg	gtgatcttgg	gtcactgcaa	cttccgcctc	cggggttcaa
6541	gggattctcc	tgcctcagct	tctgagtag	ctgggggttac	aggtgtgtgc	caccatgccc
6601	agctaatttt	tttttgtatt	tttagtagac	agggtttcac	catgttggtc	aggctggctc
6661	caaactcctg	gcctcaagt	atccgcctga	ctcagcctac	caaagtgtg	attacaaagt
6721	tgagccaccg	tgcccagcca	cactcactga	tcttttaatg	ccagccacac	agcacaaagt
6781	tcagagaaat	gcctccatca	tagcatgtca	atatgttcat	actcttaggt	tcatgatgtt
6841	cttaacatta	ggttcataag	caaaataaga	aaaagaata	ataataaaa	gaagtggcat
6901	gtcaggacct	cacctgaaaa	gccaaacaca	gaatcatgaa	ggtgaatgca	gaggtgacac
6961	caacacaaa	gtgtatatat	ggtttcctgt	ggggagtatg	tacggaggca	gcagtgaagt
7021	agactgcaaa	cgtcagaagg	gcacgggtca	ctgagagcct	agtatcctag	taaagtgggc
7081	tctctccctc	tctctccagc	ttgtcattga	aaaccagtcc	accaagcttg	ttggttcgca
7141	cagcaagagt	acatagagtt	tgaataata	cataggattt	taagagggag	acactgtctc
7201	taaaaaaaaa	aacaacagca	acaacaaaa	gcaacaacca	ttacaatttt	atgttccctc
7261	agcattctca	gagctgagga	atgggagagg	actatgggaa	cccccttcac	gttccggcct
7321	tcagccatgg	ccctggatac	atgcactcat	ctgtcttaca	atgtcatctc	ccagGAGGG
7381	CCCGGAAGAA	AACAGTGCCCT	ATGAGCAGTT	GCTGTCCTCG	TTGGAAGAAA	TCGCTGAGGA
7441	AGgtcagttt	gttgggtctg	ccactaatct	ctgtggccta	gttcataaag	aatcaccttt
7501	tggagcttca	ggtctgaggg	tggagatggg	ctccctccag	tgcaggagg	attgaagcat
7561	gagccagcgc	tcattcttgat	aataaccatg	aagctgacag	acacagttac	ccgcaaacgg
7621	ctgcctacag	attgaaaaac	aagcaaaaa	cgccggggcac	ggtggctcac	gcctgtaatc
7681	ccagcacttt	gggagggccaa	ggcaggtgga	tcacgaggtc	aagagatcaa	gaccatcctg
7741	gccaacatgg	tgaaacccca	tctctactaa	aaatacgaaa	aaatagccag	gcgtggtggc
7801	gggtgcctgt	aatcccagct	actcgggagg	ctgaggcagg	agaatggcat	gaacccggga
7861	ggcagaaagt	gcagtgagcc	gagatcgtgc	cactgcactc	cagcctgggc	aacagagcga

FIG. 15D

7921 gactcttgtc tcaaaaaaa aaaaaaaa gaaaccaag caaaaaccaa aatgagacaa
7981 aaaaaaag accaaaaaat ggtgtttgga aattgtcaag gtcaagtctg gagagctaaa
8041 ctttttctga gaactgttta tctttaataa gcatcaataa ttttaacttt gtaaataactt
8101 ttgttgaaa tcgttctctt cttagtcaat cttagactagg tagaactctg cttttgcatt tcttgtgtct
8161 ctgaccttt taggtttctg tctcaaaactc ctgaccttgt gatccaccag cctcggcctc ccaaagtgtc
8221 gttttgtata gttatcaata ttcatattta ttacaagtt attcagatca ttttttcttt
8281 tcttttttt ttttttttt ttttttttt ttttttttt tacttttttt tgagttaacg tcttatggga
8341 gccaggctgc tctcaaaactc ctgaccttgt gatccaccag cctcggcctc ccaaagtgtc
8401 gggattcatt ttttcttttt aatttgctct gggcttaaac ttgtggccca gacttttatg
8461 atggtacaca gagttaagag tctccacctt cccttctctc caagccctg tacttttttt agagttaacg tcttatggga
8521 cctcccttcc ctccacctt cccttctctc caagccctg tacttttttt agagttaacg tcttatggga
8581 caggcctctt cccttctctc caagccctg tacttttttt agagttaacg tcttatggga
8641 agggcctgca cttagtgaag aagtgtctc agagttgagt taccttgggt tctgggaggt
8701 gaaactgtat ccctataccc tgaagcttta aggggtgca atgtagatga gaccccaaca
8761 tagatcctct tcacagGCTC AGAGACTCAG GTCCCAGGAC TGGACATATC TGCACCTCTG
8821 CCTCTGACT TCAGCCGCTA CTTCCAATAT GAGGGTCTC TGACTACACC GCCCTGTGCC
8881 CAGGGTGCTA TCTGGACTGT GTTAAACCAG ACAGTGATGC TGAGTGCTAA GCAGgtggc
8941 ctgggtgtg tgtggacaca gtgggtgcgg gggaaagagg atgtaatg agatgagaaa
9001 caggagaaga aagaaatcaa ggctgggctc tgtggcttac gcctataatc ccaccacgtt
9061 gggaggctga ggtgggagaa tggtttgagc ccaggagttc aagacaaggc ggggcaacat
9121 agtgtgacct catctctacc aaaaaaaccc caacaaaacc aaaaatagcc gggcatgggtg
9181 gtatgcggcc tagtcccagc tactcaagga ggctgagggtg ggaagatcgc ttgattccag
9241 gagtttgaga ctgcagtga ctatgatccc accactgcct accatcttta ggatacattt
9301 atttatttat aaaaagaaatc aagaggctgg atggggaata caggagctgg aggtgggagc
9361 cctgagggtc ccactgacct ccttagCTC ACACCTCTC TGACACCTCTG TGGGGACCTG
9421 ccacactgt GCTACAGCTG AACTTCCGAG CGACGCAGCC TTTGAATGGG CGAGTGATTG
9481 GTGACTCTCG CCTTCTGGA GTGGACAGCA GTCTCGGGC TGCTGAGCCA Ggtacagctt
9541 AGGCCTCCTT cctctgggtt ccccccagcc agtagtccct tatcctccc tgtgtgtgtc
9601 tgtctgggtt ccccccagcc agtagtccct tatcctccc tgtgtgtgtc agtgtctgtc
9661 attggtgggt acagcccgcc tctcacatct cctttttctc tccagTCCAG CTGAATTCTT
9721 GCCTGGCTGC TGgtgagtct gcccctctc ttggtcctga tggcaggaga ctcctcagca
9781 ccattcagcc ccagggtgc tcaggaccgc ctctgctccc tctccttttc tgcagaaacag
9841 accccaacc caatataga gaggcagatc atggtgggga tcccccat tccccagag

9901 gctaattgat tagaatgaag cttgagaaat ctccagcat ccctctcgca aaagaatccc
 9961 cccccctttt tttaaagata ggtctcact ctgtttgccc caggctggg tgttgtggca
 10021 cgatcatagc tcaactgcagc ctgaaactcc taggctcagg caatcctttc accttagctt
 10081 ctcaagcac tgggactgta ggcactgagc actgtgcctg gccccaaag gcccttttac
 10141 ttggctttta cccttggctg ggaagcaaaa acggtgctta tcttaccct tctcgtgtat ccaccctcat
 10201 ggggtggctg agtgcactga ggcactgagg cactatgggg cagcctgaga actcggggca
 10261 aaagcagccc tctctgctct ccactgcagg TGACATCCTA GCCCTGGTTT TTGGCCCTCCT
 10381 TTTTGTGCTGTC ACCAGCGTCG CGTTCCTTGT GCAGATGAGA AGGCAGCACA Ggtattacac
 10441 tgacccttcc ttcagggcaca agcttcccc acccttgtgg agtcactca tgcaaaagcg
 10501 atgcaaatga gctgctcctg ggccagtctt ctgattagcc tttcctgttg tgtacacaca
 10561 GAAGGGGAAC CAAAGGGGGT GTGAGCTACC GCCCAGCAGA GGAGCCGAG ACTGGAGCCT
 10621 AGAGGCTGGA TCTTGGAGAA TGTGAGAAGC CAGCCAGAGG CATCTGAGG GGAGCCGGTA
 10681 ACTGTCCTGT CCTGCTCATT ATGCCACTTC CTTTAACTG CCAAGAAATT TTTTAAATA
 10741 AATAATTATA ATaaaatatg tgtagtcac ctttgttccc caaatcagaa ggaggtattt
 10801 gaatttccta ttactgttat tagcaccaat ttagtggtaa tgcatttatt ctattacagt
 10861 tcggcctcct tccacacatc actccaatgt gttgctcc

FIG._15F

FIG._15A

FIG._15B

FIG._15C

FIG._15D

FIG._15E

FIG._15F

FIG._15

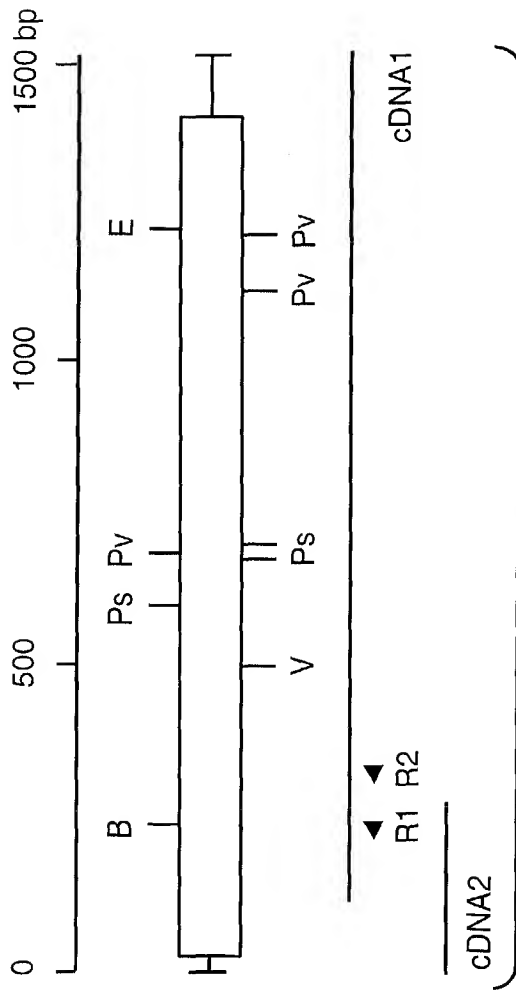


FIG. 16

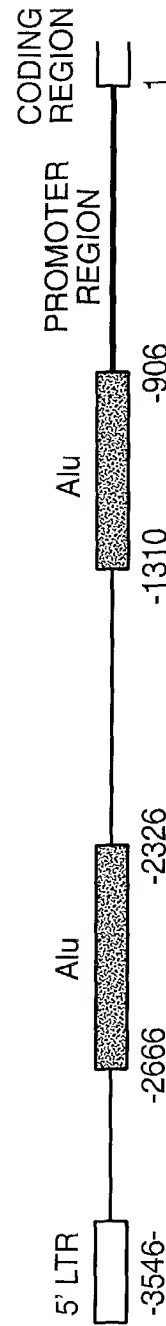


FIG. 20

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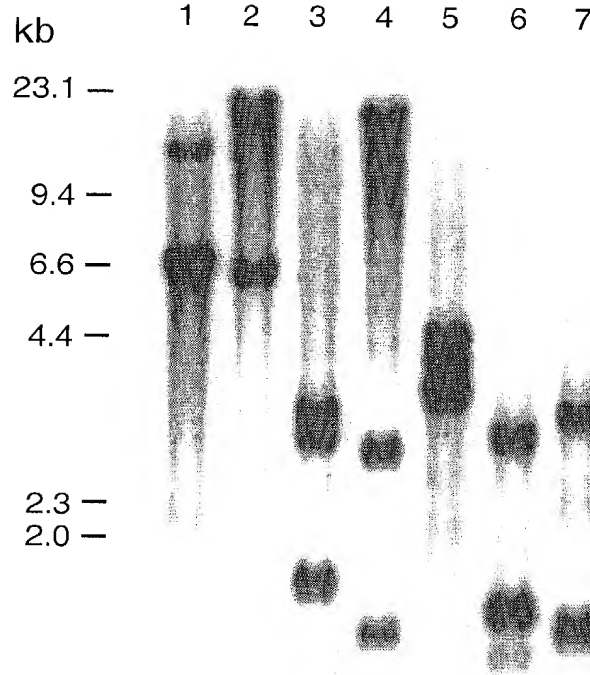


FIG._17

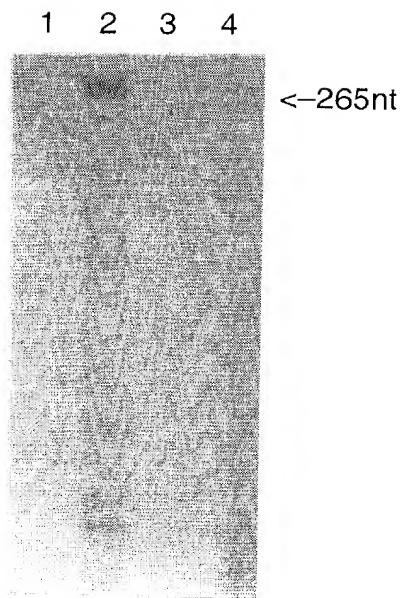


FIG._18A

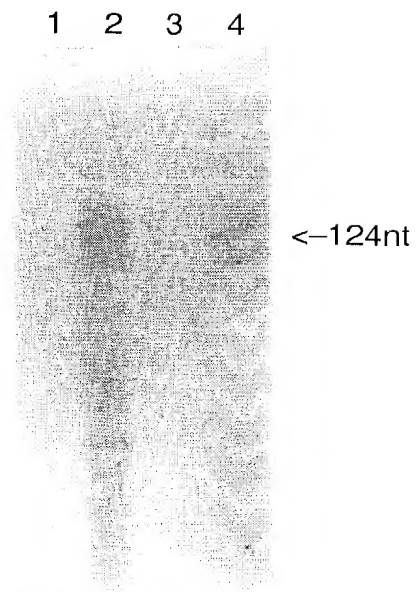


FIG._18B

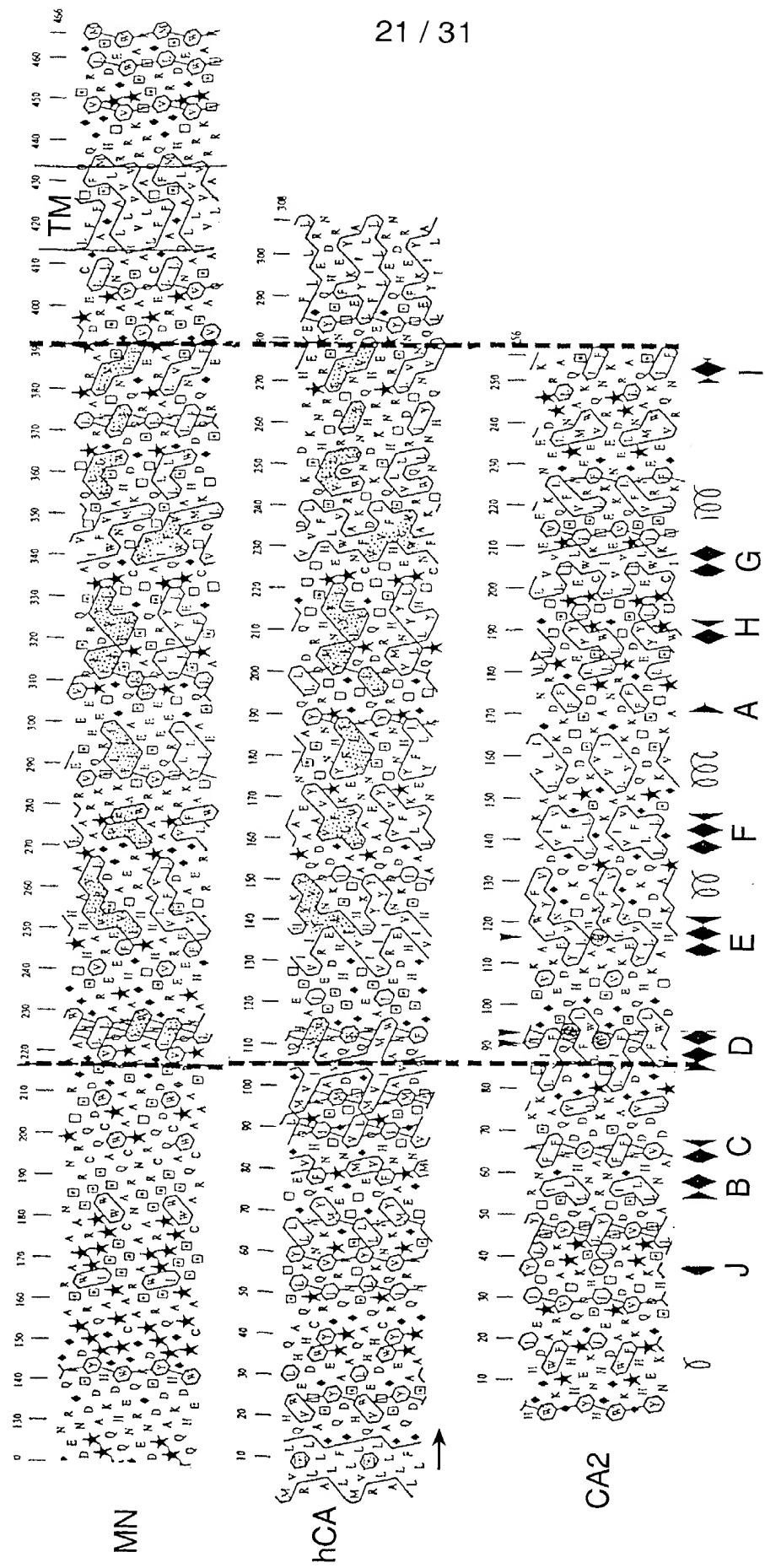


FIG.-19A

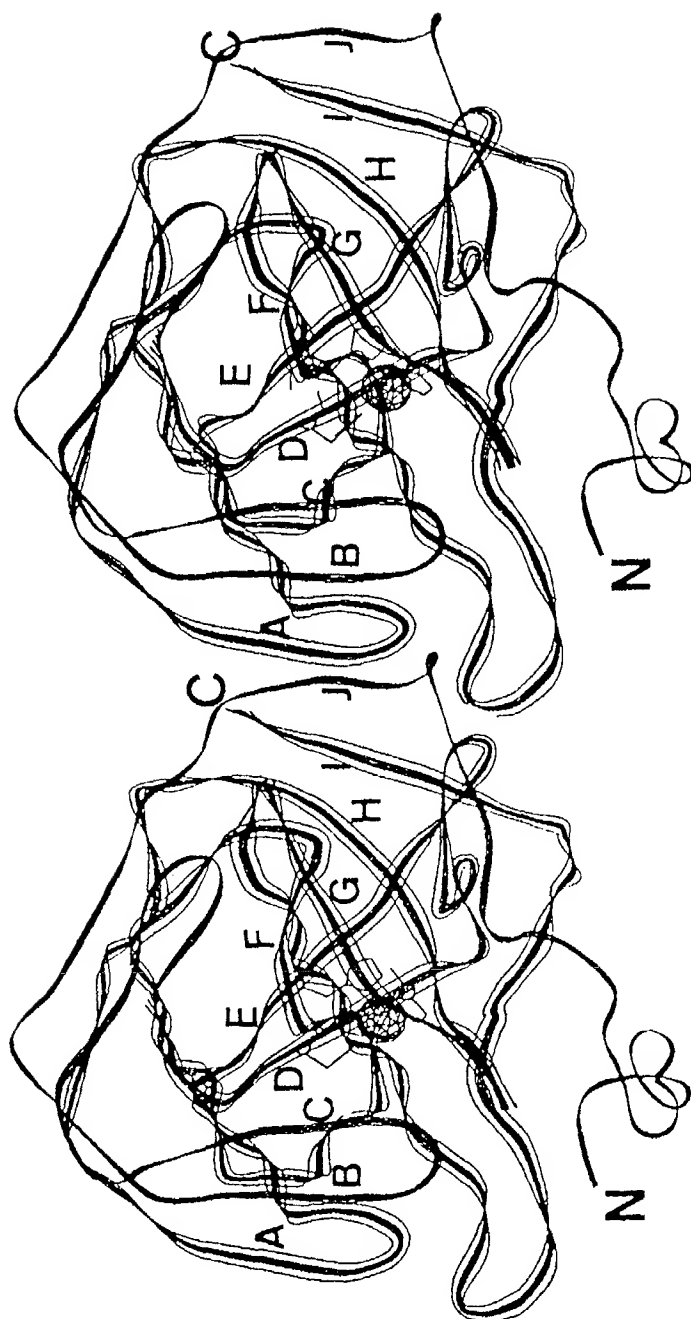


FIG. 19B

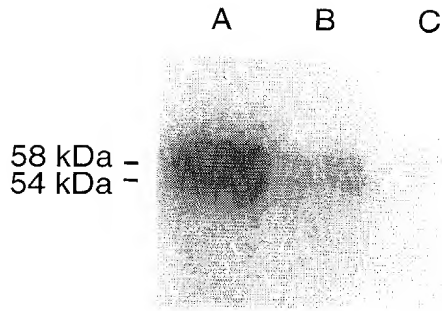


FIG._21A

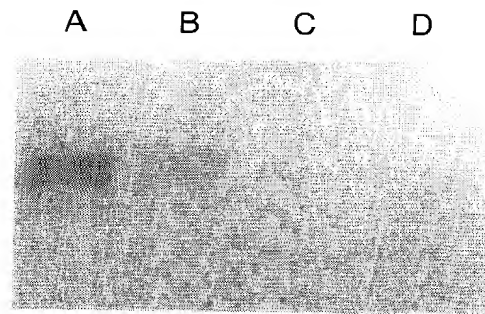


FIG._21B

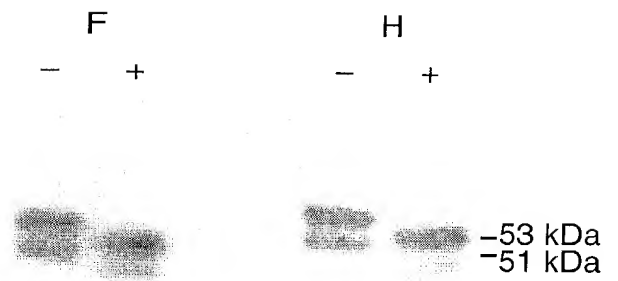


FIG._21C

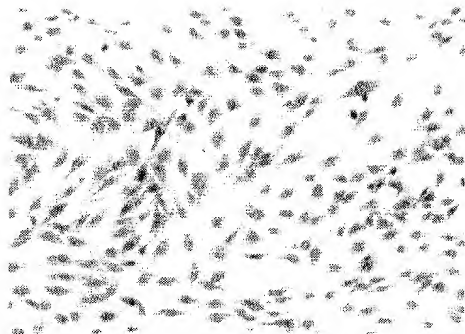


FIG._22A

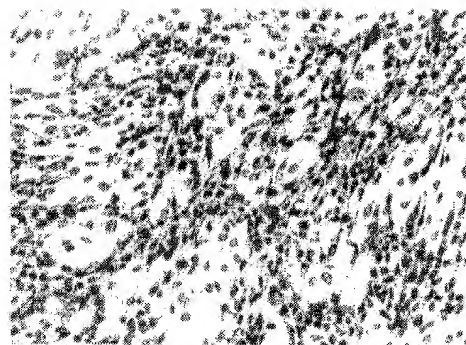


FIG._22B

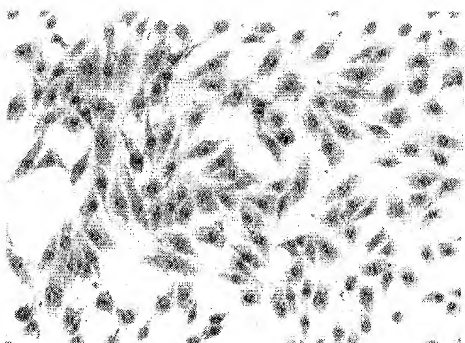


FIG._22C

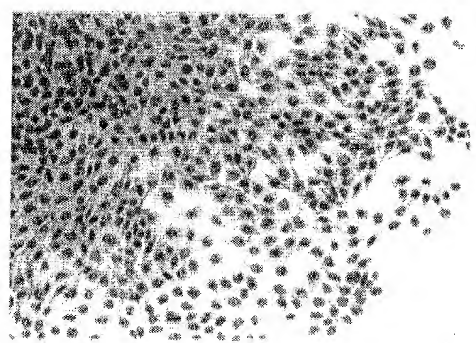


FIG._22D

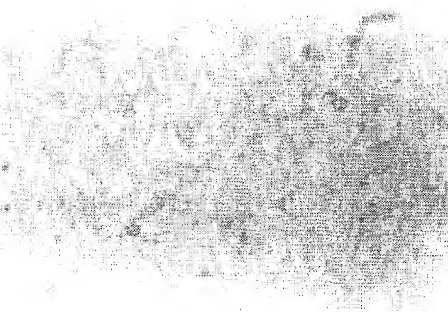


FIG._22E

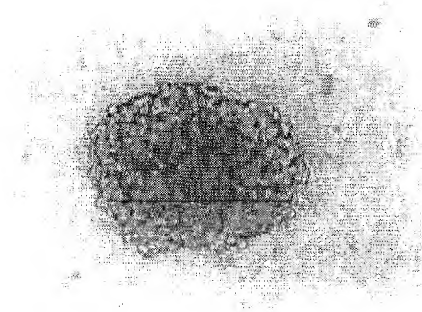
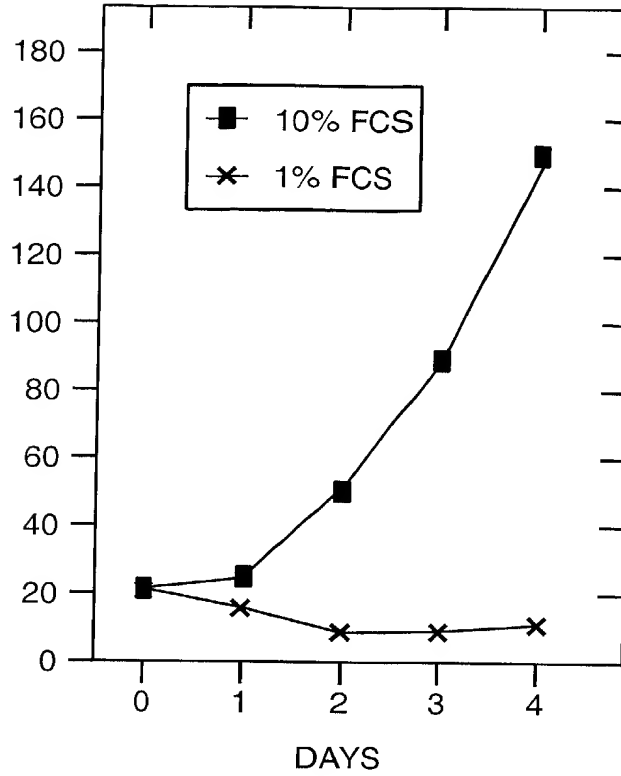


FIG._22F

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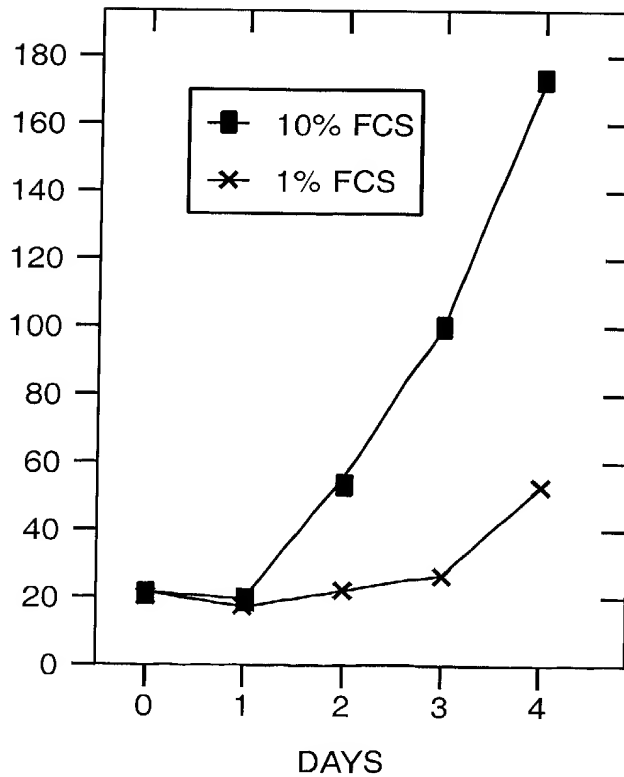
CELL
NUMBER
 $\times 10^3$

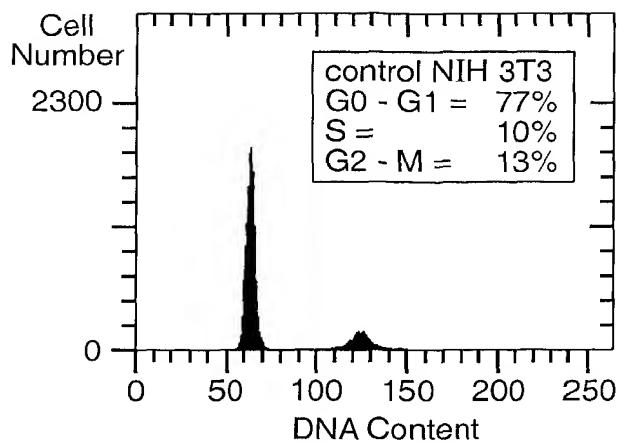
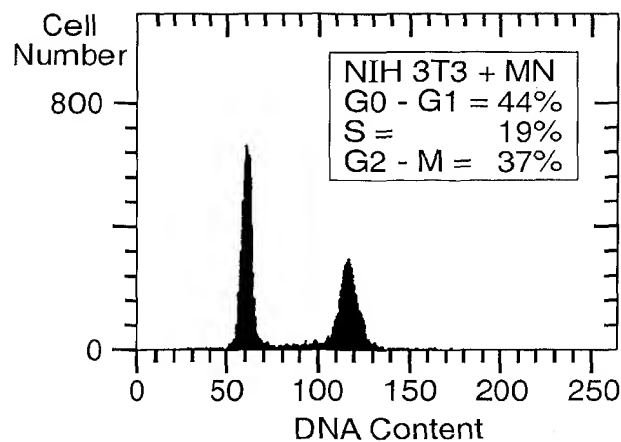
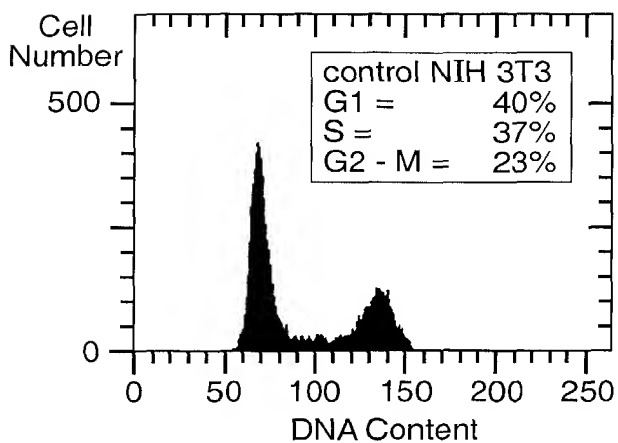
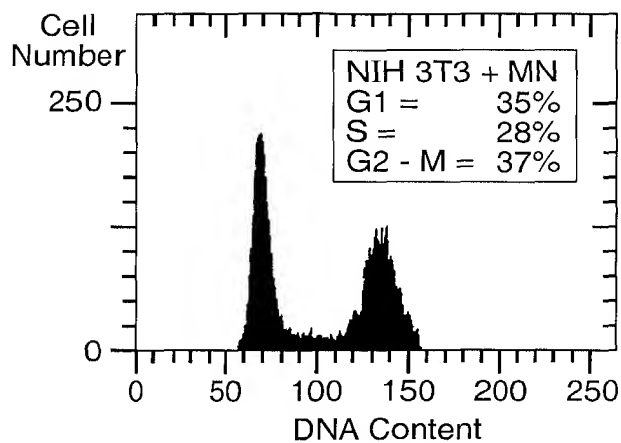
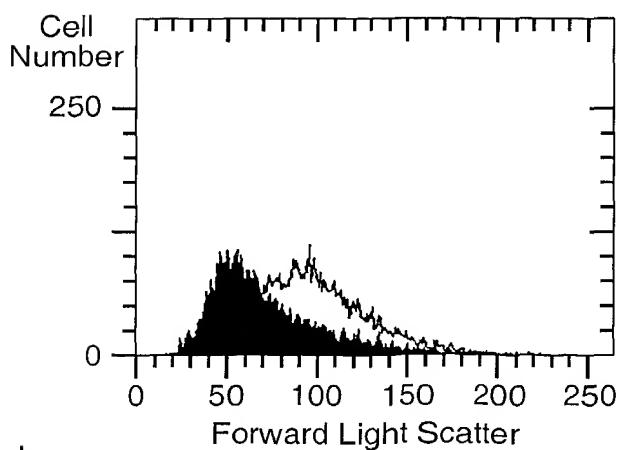
FIG._22G



CELL
NUMBER
 $\times 10^3$

FIG._22H



**FIG._23A-1****FIG._23A-2****FIG._23B-1****FIG._23B-2**

■ NIH 3T3 + MN
 □ CONTROL NIH 3T3
 — Kolmogorov-Smirnov Statistics —
 $D/s(n) = 19.03$
 $D = 0.36$
 Channel = 70
 Channels 0 - 255
 99% probability of difference

FIG._23C

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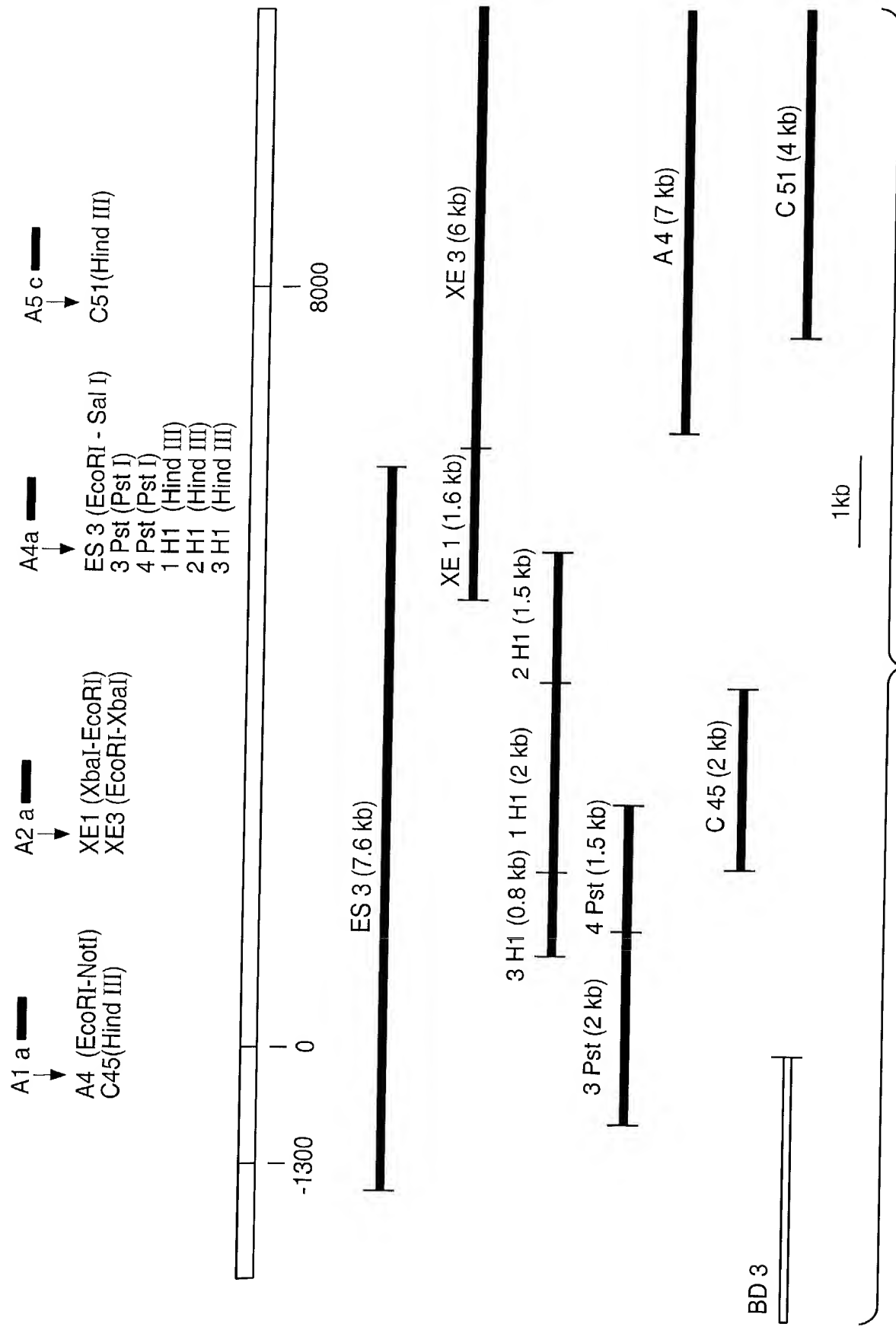


FIG._27

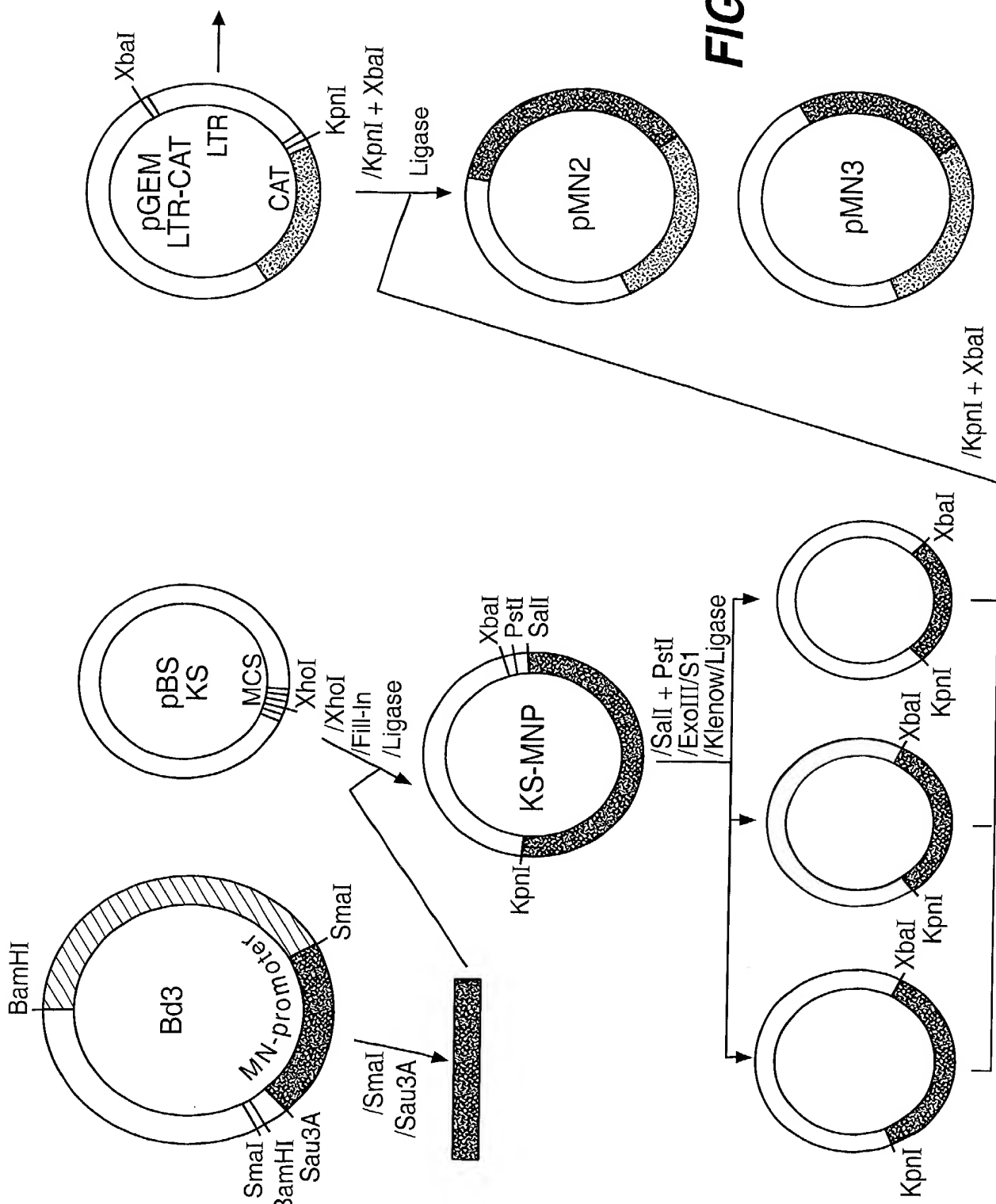
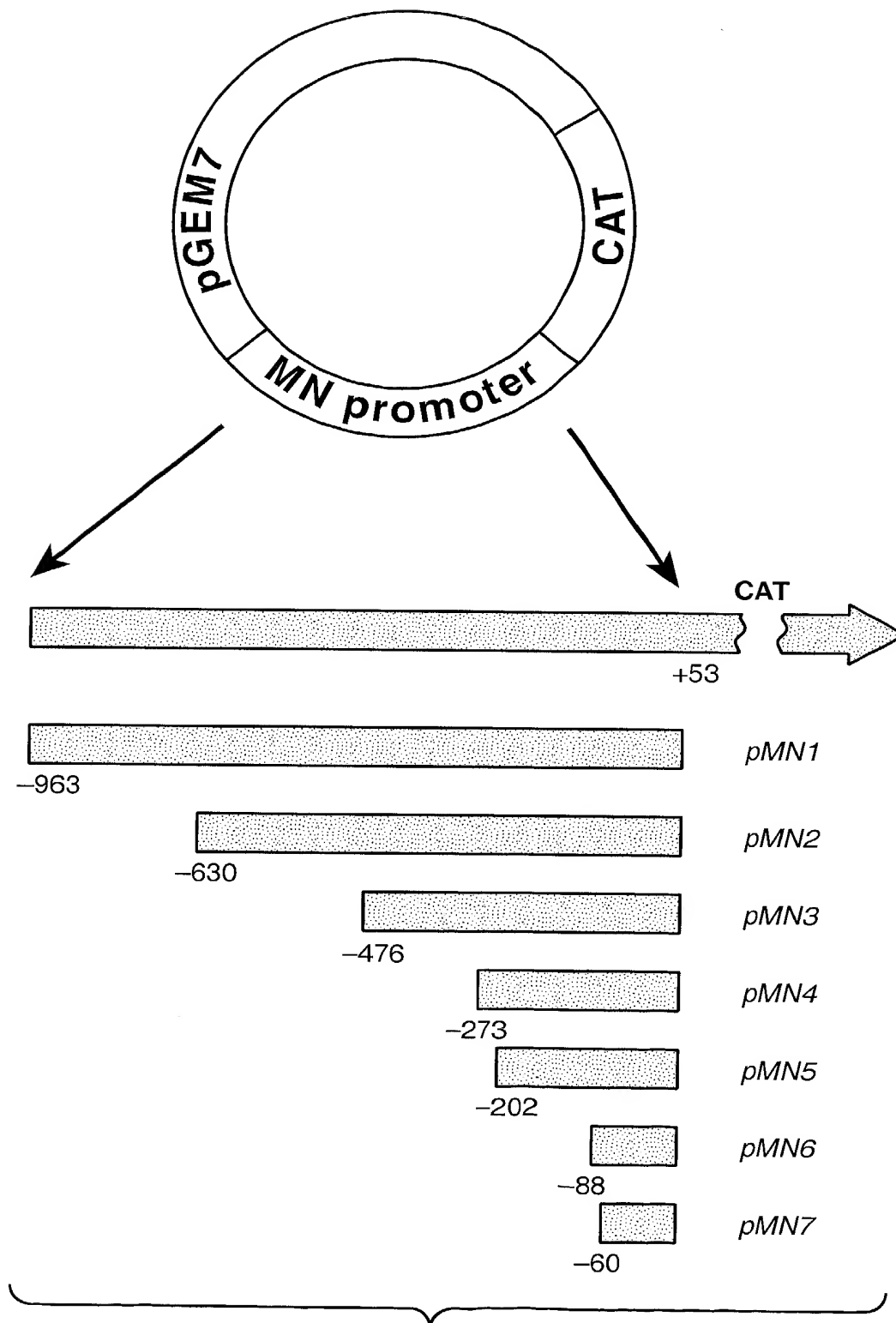


FIG. 28

**FIG. 29**